\_\_\_\_\_\_

Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=4; day=23; hr=14; min=45; sec=28; ms=199; ]

## Validated By CRFValidator v 1.0.3

Application No: 10554240 Version No: 3.0

Input Set:

Output Set:

**Started:** 2008-04-09 18:01:27.370

Finished: 2008-04-09 18:01:29.224

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 854 ms

Total Warnings: 15

Total Errors: 11

No. of SeqIDs Defined: 15

Actual SeqID Count: 15

Error code Er		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
E	257	Invalid sequence data feature in <221> in SEQ ID (8)
E	257	Invalid sequence data feature in <221> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
M	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
E	257	Invalid sequence data feature in <221> in SEQ ID (11)
W	213	Artificial or Unknown found in <213> in SEQ ID (12)
E	257	Invalid sequence data feature in <221> in SEQ ID (12)
E	257	Invalid sequence data feature in <221> in SEQ ID (12)
W	213	Artificial or Unknown found in <213> in SEQ ID (13)
Ε	257	Invalid sequence data feature in <221> in SEQ ID (13)
E	257	Invalid sequence data feature in <221> in SEQ ID (13)

## Input Set:

## Output Set:

**Started:** 2008-04-09 18:01:27.370

Finished: 2008-04-09 18:01:29.224

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 854 ms

Total Warnings: 15

Total Errors: 11

No. of SeqIDs Defined: 15

Actual SeqID Count: 15

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (14)
E	257	Invalid sequence data feature in <221> in SEQ ID (14)
E	257	Invalid sequence data feature in <221> in SEQ ID (14)
W	213	Artificial or Unknown found in <213> in SEQ ID (15)
E	257	Invalid sequence data feature in <221> in SEQ ID (15)
E	257	Invalid sequence data feature in <221> in SEQ ID (15)

```
<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic peptide
<400> 1
Gln Trp Ala Val Gly His Leu Leu
1
<210> 2
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic peptide
<400> 2
Gln Trp Ala Val Gly His Leu Met
               5
1
<210> 3
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic peptide
<400> 3
Gln Trp Ala Val Gly His Phe Met
1
<210> 4
<211> 28
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic peptide
<400> 4
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1
                                   10
                                                       15
                5
```

20 25

<210> 5 <211> 28 <212> PRT <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Synthetic peptide <400> 5 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln 10 15 1 Met Ala Val Lys Lys Ala Leu Asn Ser Ile Leu Asn 20 25 <210> 6 <211> 28 <212> PRT <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Synthetic peptide <400> 6 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln 10 15 Met Ala Val Lys Lys Phe Leu Asn Ser Ile Leu Asn 20 25 <210> 7 <211> 28 <212> PRT <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Synthetic peptide <400> 7

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln

10

15

20 25

5

1

```
<210> 8
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
<222> (5)..(5)
<223> bAla
<220>
<221> MOD_RES
<222> (8)..(8)
<223> Nle
<400> 8
Gln Trp Ala Ala Xaa His Phe Xaa
1
               5
<210> 9
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<220>
<221> SITE
<222> (7)..(8)
<223> Psi(CH2-NH) linker between residues 7-8
<400> 9
Gln Trp Ala Val Gly His Leu Leu
1
<210> 10
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> SITE
<222> (7)..(8)
```

```
<223> Psi(CH2-NH) linker between residues 7-8
<400> 10
Gln Trp Ala Val Gly His Leu Phe
1
               5
<210> 11
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
<222> (5)..(5)
<223> bAla
<400> 11
Gln Trp Ala Val Xaa His Leu Leu
1
               5
<210> 12
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
<222> (5)..(5)
<223> bAla
<220>
<221> MOD_RES
<222> (8)..(8)
<223> Nle
<400> 12
Gln Trp Ala Val Xaa His Leu Xaa
1
               5
<210> 13
<211> 8
<212> PRT
```

<213> Artificial

```
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
<222> (5)..(5)
<223> bAla
<220>
<221> MOD_RES
<222> (8)..(8)
<223> Nle
<400> 13
Gln Trp Ala Val Xaa His Phe Xaa
1
<210> 14
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
<222> (5)..(5)
<223> bAla
<220>
<221> MOD_RES
<222> (8)..(8)
<223> Nle
<400> 14
Gln Trp Ala Val Xaa His Ala Xaa
1
<210> 15
<211> 8
<212> PRT
<213> Artificial
<220>
<223> synthetic peptide
<220>
<221> MOD_RES
```

```
<222> (5)..(5)
<223> bAla

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Nle

<400> 15

Gln Trp Ala Val Xaa Ala Phe Xaa
```